

Preface

This present volume contains papers selected from the 8th Thailand Metallurgy Conference (**TMETC-8**) in Bangkok, Thailand. From more than 60 contributions presented at the conference, 36 papers were peer-reviewed and recommended to KEM for this publication. The publication would definitely bring extensive knowledge and present some advance material development in Thailand to the metallurgy society.

This conference was organised by Department of Metallurgical Engineering, Chulalongkorn University, together with National Metal and Materials Technology Center (MTEC) and Metallurgy and Materials Science Research Institute (MMRI), to celebrate the 40th anniversary of the Metallurgical Engineering department. The conference, which was held on 15-16 December 2014, covers various metallurgy topics. Particularly, the focused areas of the conference were related to structures and properties of materials, material processing and nanomaterials. Although the tradition of the conference aims to establish a periodical forum for advance material development in Thailand, this year the forum has expanded into the international level to further strengthen the collaboration among the researches both in the academic society and the industrial sections. Nearly 100 scientists, engineers and students from 6 countries around the world were participated at the conference.

It is our pleasure to thank the editorial board of the Journal of Key Engineering Materials for the readiness to publish this volume devoted to TMETC-8. We also would like to present our sincerely gratitude to acknowledge all members of the organising committee, scientific committee, academic reviewers, session chairs, as well as many colleagues who helped with the preparation of the conference and proceedings.

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